

**GOVERNMENT OF INDIA
HEALTH AND FAMILY WELFARE
LOK SABHA**

STARRED QUESTION NO:321
ANSWERED ON:21.03.2007
EFFECTIVENESS OF POLIO DROPS
Yadav Shri Parasnath

Will the Minister of HEALTH AND FAMILY WELFARE be pleased to state:

(a) the number of cases of children who have been afflicted by polio despite administration of polio drops to them during the last three years; and

(b) the preventive measures taken by the Government to ensure the effectiveness of the polio drops being administered to the children?

Answer

MINISTER OF THE STATE IN THE MINISTRY OF HEALTH AND FAMILY WELFARE (DR. ANBUMANI RAMADOSS)

(a)&(b): A statement is laid on the Table of the House.

STATEMENT REFERRED TO IN REPLY TO LOK SABHA STARRED QUESTION NO. 321 FOR 21ST MARCH, 2007

(a) Details of the number of children afflicted by polio after receiving polio drops during the last three years are given below :-

Year	No. of Children who received polio drops	No. of Children afflicted with polio after receiving polio drops
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2004	168,762,772	128
2005	172,137,685	66
2006	172,145,088	649

(b) The preventive measures taken by the Ministry for ensuring quality and effectiveness of the Oral Polio Vaccine are as follows:-

i) Oral polio vaccine which is used in the polio programme is procured from WHO prequalified suppliers. Before its use in the field, the samples of each batch of the vaccines are tested by the Central Drug Laboratory (CDL) Kasauli, for its potency. After getting satisfactory report from CDL, the vaccine is dispatched to the State / districts.

ii) Oral polio vaccine is a heat sensitive vaccine and required to be stored in appropriate temperature for maintaining its potency. Accordingly, the Oral Polio Vaccine is stored at the State / Regional stores in the Walk-In-Freezer (WIF). At the district / Block / Primary Health Centre (PHC), the vaccine is stored in Ice Lined Refrigerator (ILR). The vaccine is transported from the district / block / PHC stores to the site of vaccination in vaccine carriers to maintain the appropriate temperature and to avoid any loss of potency of the vaccine.

iii) Oral Polio Vaccine vial used in the country has Vaccine Vial Monitor (VVM) on it. The VVM is a heat sensitive monitor that changes colour on exposure to heat and allows the user to decide whether the vaccine inside the vial is potent and can be used. All vaccination teams are trained before the polio campaigns to ensure that they read and interpret the indications in the vaccine vial monitor. Strict monitoring and supervision of the vaccine vial monitor is done at the district/block/PHC/vaccination site level.

iv) Random samples of Oral polio vaccine are picked up from the field and tested in the Central Drug Laboratory (CDL) to check potency.

v) The Indian Council of Medical Research (ICMR) is undertaking an in-depth study for sero-prevalence of antibodies against polio type1 and type 3 viruses in Western Uttar Pradesh districts.